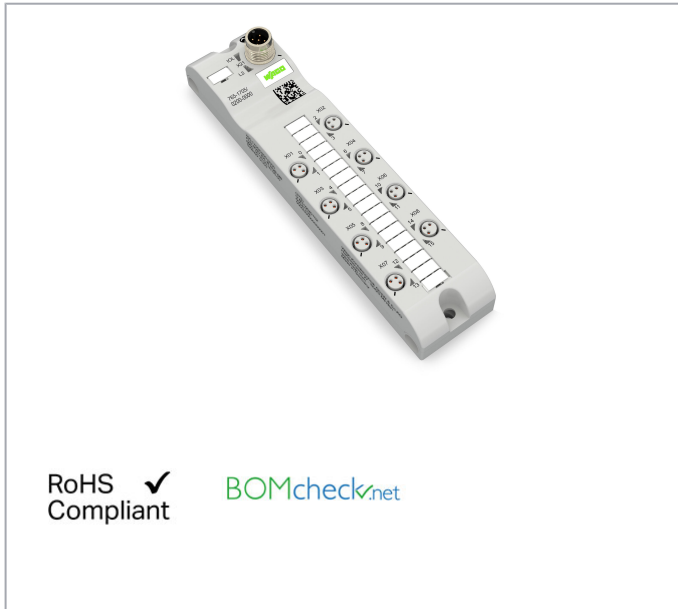


Data sheet | Item number: 765-1705/200-000

8-channel digital input/output; IO Link Class B Hub; DC 24 V / 2.0 A; 8xM8 connection; HubLine



www.wago.com/765-1705/200-000



Data

Technical Data

IO-Link

| | |
|-----------------------------------------------|-------------------------|
| Communication | IO-Link Class B Slave |
| Connection technology: communication/fieldbus | 1 x A-coded M12; 5-pole |

Gerätefunktionen

| | |
|-------------|------------------------------------------------------|
| Parameter | Input filter Output current Temperature |
| Diagnostics | Undervoltage; Overcurrent; Overload; Overtemperature |

Digitalein-/ausgänge

| | |
|---------------------------------------|----------------|
| Number of digital inputs | 8 |
| Number of digital outputs | 8 |
| Connection technology: inputs/outputs | 8 x M8; 3-pole |

Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



| | |
|------------------------------|-------------------------|
| Input characteristic | High-side switching |
| Input filter | 0.2 ... 20 ms |
| Input characteristic | Type 3, per IEC 61131-2 |
| Output current (per channel) | 2 A |

Versorgung

| | |
|-------------------------------|---------------------------------------------------|
| Connection technology: supply | 1 x A-coded M12; 5-pole; via IO-Link port (1L/2L) |
| Supply voltage | 24 VDC (18 ... 31.2 V); 1L/2L |
| Power consumption (max.) | 4000 mA |
| Power consumption (note) | 1L: 0.2 A; 2L: 0.1 A; + load current |
| Reverse voltage protection | Yes |

Geometrical Data

| | |
|--------|----------------------|
| Width | 35 mm / 1.378 inch |
| Height | 30 mm / 1.181 inch |
| Depth | 158.5 mm / 6.24 inch |

Mechanical Data

| | |
|--------------------|-------|
| Weight | 120 g |
| Conformity marking | CE |

Environmental Requirements

| | |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------|
| Surrounding air temperature (operation) | -25 ... 70 °C |
| Surrounding air temperature (storage) | -40 ... 80 °C |
| Protection type | IP67 |
| Protection class | III per EN 61140, IEC 61140, VDE 0140-1 |
| Operating altitude | 0 ... 2000 m 0 ... 2000 m |
| Pollution degree (5) | 3 per EN 60664-1 3 (EN 60664-1) |
| Overvoltage category | II (EN 60664-1) |
| Vibration resistance | 5g per IEC 60068-2-6 |
| Shock resistance | Short-term: 50g/11 ms/half-sine per IEC 60068-2-27; Long-term: 30g/6 ms/half-sine per IEC 60068-2-29 |
| EMC immunity to interference | per EN 61000-6-2 |
| EMC emission of interference | per EN 61000-6-4 |

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Commercial data


| | |
|-----------------------|---------------|
| Packaging type | BOX |
| Country of origin | DE |
| GTIN | 4055143949781 |
| Customs tariff number | 85371098990 |


Required accessories

tools

| | | |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------|
|  | Item no.: 206-701 Torque wrench M8 and M12; Assembly kit | www.wago.com/206-701 |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------|

Marking accessories

| | | |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|  | Item no.: 2009-110 Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white | www.wago.com/2009-110 |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|

| | | |
|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|  | Item no.: 2009-115 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white | www.wago.com/2009-115 |
|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|

protection

| | | |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------------|
|  | Item no.: 756-8101 M8 protective cap; for unused sockets; - | www.wago.com/756-8101 |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------------|

| | | |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------|
|  | Item no.: 756-8103 M12 protective cap; for unused plugs; - | www.wago.com/756-8103 |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------|

Compatible products

wiring and connectors

| | | |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|  | Item no.: 756-5111/030-015 Sensor/Actuator cable; 3-pole; Length: 1.5 m | www.wago.com/756-5111/030-015 |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|














| | | |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|  | Item no.: 756-5111/030-050 Sensor/Actuator cable; 3-pole; Length: 5 m | www.wago.com/756-5111/030-050 |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------|

| | | |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|  | Item no.: 756-5111/030-100 Sensor/Actuator cable; 3-pole; Length: 10 m | www.wago.com/756-5111/030-100 |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|














| | | |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|  | Item no.: 756-5112/030-015 Sensor/Actuator cable; 3-pole; Length: 1.5 m | www.wago.com/756-5112/030-015 |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|

| | | |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|  | Item no.: 756-5112/030-050 Sensor/Actuator cable; 3-pole; Length: 5 m | www.wago.com/756-5112/030-050 |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------|








Subject to changes. Please also observe the further product documentation!

| | | |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|  | Item no.: 756-5112/030-100 Sensor/Actuator cable; 3-pole; Length: 10 m | www.wago.com/756-5112/030-100 |
|  | Item no.: 756-5201/030-010 Sensor/Actuator cable; 3-pole; Length: 1 m | www.wago.com/756-5201/030-010 |
|  | Item no.: 756-5201/030-020 Sensor/Actuator cable; 3-pole; Length: 2 m | www.wago.com/756-5201/030-020 |
|  | Item no.: 756-5202/030-010 Sensor/Actuator cable; 3-pole; Length: 1 m | www.wago.com/756-5202/030-010 |
|  | Item no.: 756-5202/030-020 Sensor/Actuator cable; 3-pole; Length: 2 m | www.wago.com/756-5202/030-020 |
|  | Item no.: 756-5203/030-010 Sensor/Actuator cable; 3-pole; Length: 1 m | www.wago.com/756-5203/030-010 |
|  | Item no.: 756-5203/030-020 Sensor/Actuator cable; 3-pole; Length: 2 m | www.wago.com/756-5203/030-020 |
|  | Item no.: 756-5204/030-010 Sensor/Actuator cable; 3-pole; Length: 1 m | www.wago.com/756-5204/030-010 |
|  | Item no.: 756-5204/030-020 Sensor/Actuator cable; 3-pole; Length: 2 m | www.wago.com/756-5204/030-020 |
|  | Item no.: 756-5301/050-015 Sensor/Actuator cable; 5-pole; Length: 1.5 m | www.wago.com/756-5301/050-015 |
|  | Item no.: 756-5301/050-050 Sensor/Actuator cable; 5-pole; Length: 5 m | www.wago.com/756-5301/050-050 |
|  | Item no.: 756-5301/050-100 Sensor/Actuator cable; 5-pole; Length: 10 m | www.wago.com/756-5301/050-100 |
|  | Item no.: 756-5302/050-015 Sensor/Actuator cable; 5-pole; Length: 1.5 m | www.wago.com/756-5302/050-015 |

Subject to changes. Please also observe the further product documentation!

| | | |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|  | Item no.: 756-5302/050-050 Sensor/Actuator cable; 5-pole; Length: 5 m | www.wago.com/756-5302/050-050 |
|  | Item no.: 756-5302/050-100 Sensor/Actuator cable; 5-pole; Length: 10 m | www.wago.com/756-5302/050-100 |
|  | Item no.: 756-5401/050-010 Sensor/Actuator cable; 5-pole; Length: 1 m | www.wago.com/756-5401/050-010 |
|  | Item no.: 756-5401/050-020 Sensor/Actuator cable; 5-pole; Length: 2 m | www.wago.com/756-5401/050-020 |
|  | Item no.: 756-5402/050-010 Sensor/Actuator cable; 5-pole; Length: 1 m | www.wago.com/756-5402/050-010 |
|  | Item no.: 756-5402/050-020 Sensor/Actuator cable; 5-pole; Length: 2 m | www.wago.com/756-5402/050-020 |
|  | Item no.: 756-5403/050-010 Sensor/Actuator cable; 5-pole; Length: 1 m | www.wago.com/756-5403/050-010 |
|  | Item no.: 756-5403/050-020 Sensor/Actuator cable; 5-pole; Length: 2 m | www.wago.com/756-5403/050-020 |
|  | Item no.: 756-5404/050-010 Sensor/Actuator cable; 5-pole; Length: 1 m | www.wago.com/756-5404/050-010 |
|  | Item no.: 756-5404/050-020 Sensor/Actuator cable; 5-pole; Length: 2 m | www.wago.com/756-5404/050-020 |
|  | Item no.: 756-5501/030-010 Sensor/Actuator cable; 3-pole; Length: 1 m | www.wago.com/756-5501/030-010 |
|  | Item no.: 756-5501/030-020 Sensor/Actuator cable; 3-pole; Length: 2 m | www.wago.com/756-5501/030-020 |
|  | Item no.: 756-5502/030-010 Sensor/Actuator cable; 3-pole; Length: 1 m | www.wago.com/756-5502/030-010 |

Subject to changes. Please also observe the further product documentation!

| | | |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|  | Item no.: 756-5502/030-020 Sensor/Actuator cable; 3-pole; Length: 2 m | www.wago.com/756-5502/030-020 |
|  | Item no.: 756-5503/030-010 Sensor/Actuator cable; 3-pole; Length: 1 m | www.wago.com/756-5503/030-010 |
|  | Item no.: 756-5503/030-020 Sensor/Actuator cable; 3-pole; Length: 2 m | www.wago.com/756-5503/030-020 |
|  | Item no.: 756-5504/030-010 Sensor/Actuator cable; 3-pole; Length: 1 m | www.wago.com/756-5504/030-010 |
|  | Item no.: 756-5504/030-020 Sensor/Actuator cable; 3-pole; Length: 2 m | www.wago.com/756-5504/030-020 |
|  | Item no.: 756-9102/030-000 Accessories; 3-pole | www.wago.com/756-9102/030-000 |
|  | Item no.: 756-9105/030-000 Accessories; 3-pole | www.wago.com/756-9105/030-000 |

Downloads

Documentation

Manual

| | | | |
|--------------------------------------------------------------------------------------------------|-------------------------|---------------|----------|
| 8-Channel Digital Input/Output; IO Link Class B Hub DC 24 V / 2.0 A; 8xM8 Connection; HubLine | V 1.1.0 30. 11. 2020 | pdf 2.8 MB | Download |
|--------------------------------------------------------------------------------------------------|-------------------------|---------------|----------|

System Description

| | | | |
|----------------------------------------------------|--|-----------------|----------|
| WAGO I/O System Field; General Product Information | | pdf 708.2 kB | Download |
|----------------------------------------------------|--|-----------------|----------|

Engineering-Software

WAGO IO-Link Configurator

| | | | |
|---------------------------|------------------------|----------------|----------|
| WAGO IO-Link Configurator | V5.1.1 17. 12. 2020 | ZIP 25.2 MB | Download |
|---------------------------|------------------------|----------------|----------|

The WAGO IO-Link Configurator is standalone commissioning, configuration and management software for the WAGO Field I/O System's IO-Link Master and Hubs.

It supports all IO-Link devices per the IO-Link specification and allows automatic download of IO-DDs via integrated IO-DD Finder.

Subject to changes. Please also observe the further product documentation!



Register now and test our engineering software for 30 days at no cost.

Runtime Software

Firmware

| | | | |
|-------------------------------------|----|-----------------|----------|
| IO-Field 765-17xx Firmware Download | 01 | zip 340.6 kB | Download |
|-------------------------------------|----|-----------------|----------|

CAD/CAE-Data

CAD data

| | | | |
|-------------------------------|--|-----|----------|
| 2D/3D Models 765-1705/200-000 | | URL | Download |
|-------------------------------|--|-----|----------|

CAE data

| | | | |
|-------------------------------|--|-----|----------|
| ZUKEN Portal 765-1705/200-000 | | URL | Download |
|-------------------------------|--|-----|----------|

Environmental Product Compliance

Compliance Search

| | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|----------|
| Environmental Product Compliance 765-1705/200-000 8-channel digital input/output; IO Link Class B Hub; DC 24 V / 2.0 A; 8xM8 connection; HubLine | | URL | Download |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|----------|

Installation Notes

Product family

I/O System Field
[Show all products from the family](#)

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